OhioEPA
State of Ohio Environmental Protection Agency

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Columbus, Ohio 43266-0149
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George V. Voinovich
Governor

75165

June 3, 1993

RE: GRANVILLE SOLVENTS
LICKING COUNTY
EPA I.D. NO. OHD004495412
OHIO I.D. NO. 145-0353

Ms. Jeanne Griffin
U.S. EPA, Region 5
77 West Jackson Boulevard
Chicago, Illinois 60604

Dear Ms. Griffin:

The Ohio Environmental Protection Agency (Ohio EPA) requests assistance for a quick response action at the Granville Solvents site due to the imminent and substantial threat to the Village of Granville's water supply.

Granville Solvents is a high priority site for Ohio. Ohio EPA discovered a ground water contaminant plume and soil contamination during the course of a drum and underground storage tank removal action. Ohio EPA installed a total of 15 monitoring wells to define the nature and extent of a contaminant plume. We found that the plume contains several volatile organic compounds (VOCs), predominately chlorinated compounds (see Attachment). We have detected a total VOC concentration of approximately 6 Mg/l in the ground water. The plume has migrated to within 400 feet of the Granville water well field. We do not know the rate of migration, but the direction of ground water flow is toward the well field.

Granville supplies 5,000 residents, Denison University, and several businesses with potable water. Granville officials anticipate they will need to double their water production within 10 years and are very concerned. They are exerting political pressure in an attempt to get something done and have contacted their State and Federal Representatives.

Granville Solvents is currently in the initial stages of being scored for the National Priorities List. The Screening Site Inspection (SSI) was conducted on May 25 of this year. Granville Solvents should score high enough to be listed on the NPL on the ground water pathway alone. Ohio EPA believes the HRS scoring process can be accelerated because considerable data has already been generated. Therefore, Ohio EPA highly recommends an accelerated HRS scoring for this site.

Because we already know the nature and magnitude of the ground water contamination and have identified some "hot spots" in the soils, we recommend the following possible actions that could be embarked upon by U.S. EPA during the scoring process.

1. Pump and treat ground water in the area of the highest contamination. This could be done through an existing monitoring well or a well designed for this purpose could be constructed.

2. Reverse the ground water gradient away from the Granville Well Field. The ground water gradient is fairly flat so this should not be difficult. This can probably be done in conjunction with the pump and treat system if a new larger diameter well is installed.

3. Remove soil "hot spots".

We look forward to a quick favorable response. If you have any questions please contact Fred Myers at (614) 771-7505. He is the site coordinator.

Sincerely,

Laura Fay

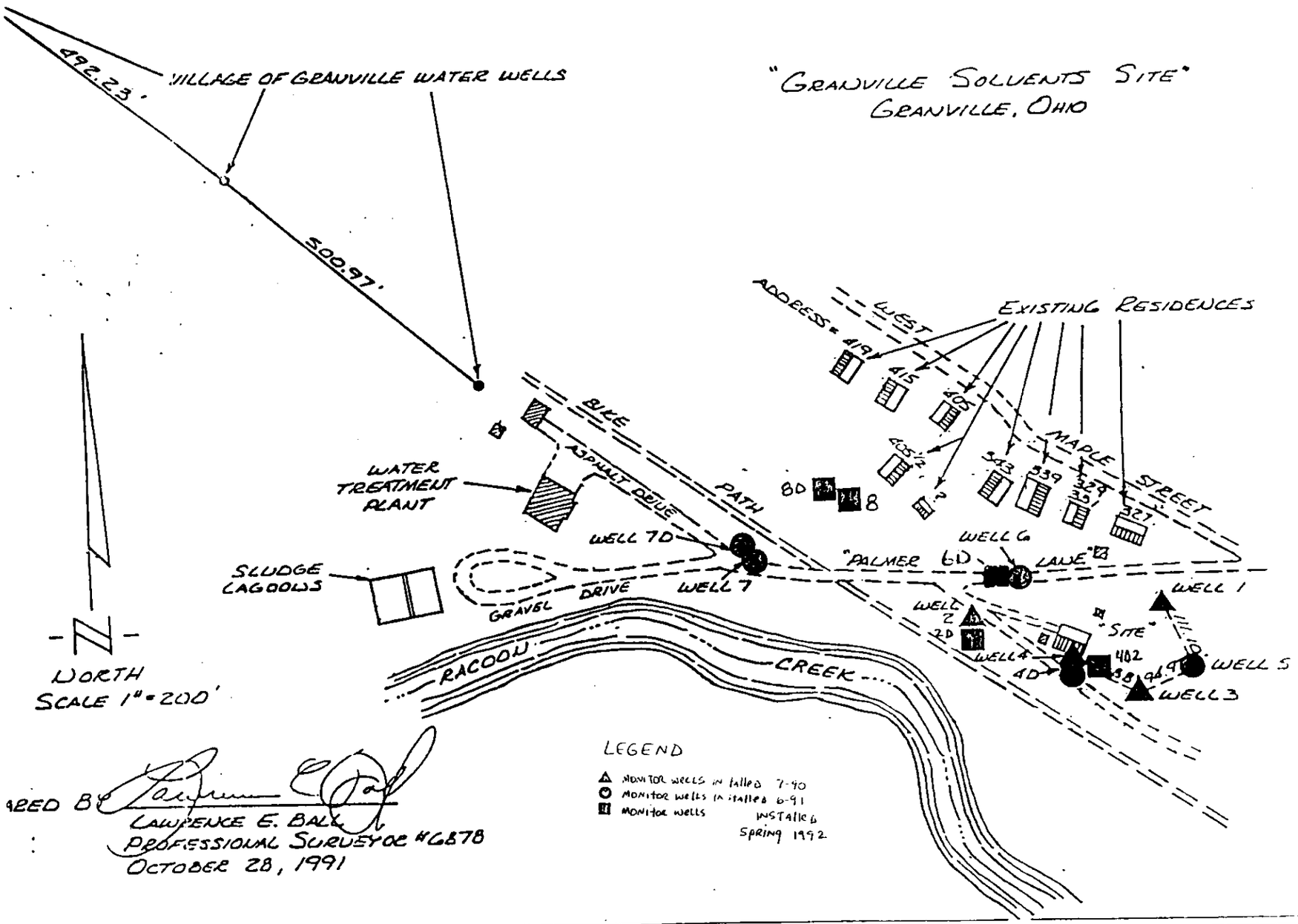
Laura Fay
Division of Emergency and Remedial Response
Central Office

LF/sc

Attachments

cc: Joe Dufficy, U.S. EPA, Region V, W/Attachments
Jan Carlson, Chief, DERR, CO, W/Attachments
Jenifer Kwasniewski, DERR, CO, W/Attachments
Vaughn Laughlin, Chief, CDO, W/Attachments
Deborah Strayton, DERR, CDO, W/Attachments

I-ER/17-18



AGREED BY

LAWRENCE E. BALL
PROFESSIONAL SURVEYOR #6878
OCTOBER 28, 1991

GRANVILLE SOLVENTS

[illegible] May [illegible]

Trichloroethene

3300	P1
2744	MW4
1600	MW2D
[illegible]	MW6
730	MW4D
625	MW2
[illegible]	MW1
108	MW4D2
23	MW6D
20	MW3
4	MW7

1,1 Dichloroethane

136	MW4D
108	MW4
75	MW4D2
56	MW1
54	MW2D
53	MW2
20	P1
5	MW3
4	MW6
3	MW7
2	MW8

1,1,1 Trichloroethane

2267	MW6
1446	MW4
[illegible]	MW2D
1250	P1
730	MW1
374	MW2
737	MW4D
108	MW4D2
23	MW6D
5	MW7
2	MW3

1,1 Dichloroethene

78	MW1
70	P1
66	MW2
31	MW4
28	MW2D
23	MW6
13	MW4D
5	MW3

Tetrachloroethene

1300	P1
700	MW4D
690	MW2D
173	MW4
[illegible]	MW4D2
140	MW2
76	MW1
72	MW6
2	MW7
1	MW5
1	MW3

Trans 1,2 Dichloroethene

18	MW2
17	MW4D
9	P1
3	MW8
1	MW4

Cis 1,2 Dichloroethene

820	MW2D
680	MW2
575	MW4D
410	P1
95	MW4D2
28	MW8
61	MW
20	MW6
5	MW3
1	MW7
1	MW1

Chloroform

5	MW2
4	MW6
2	MW4D